



FIG. 2A

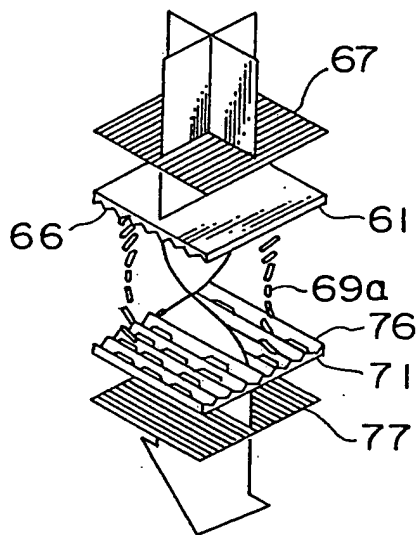


FIG. 2B

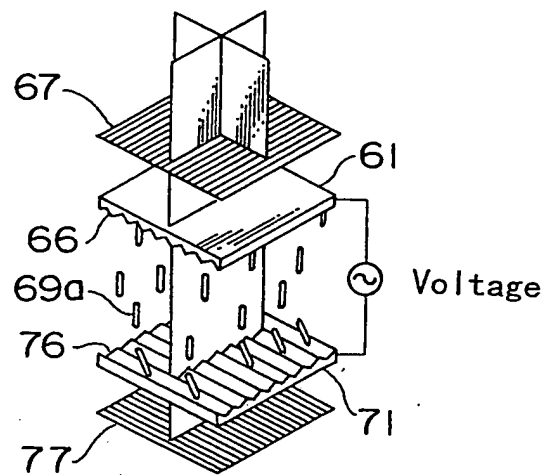


FIG. 3

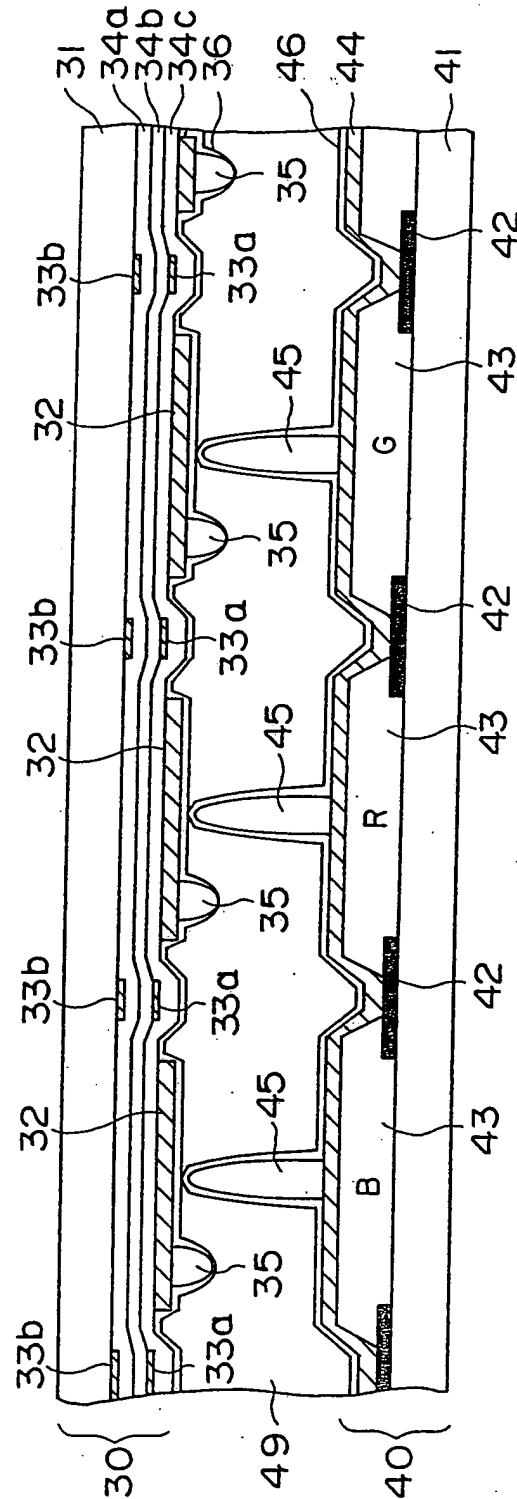


FIG. 4

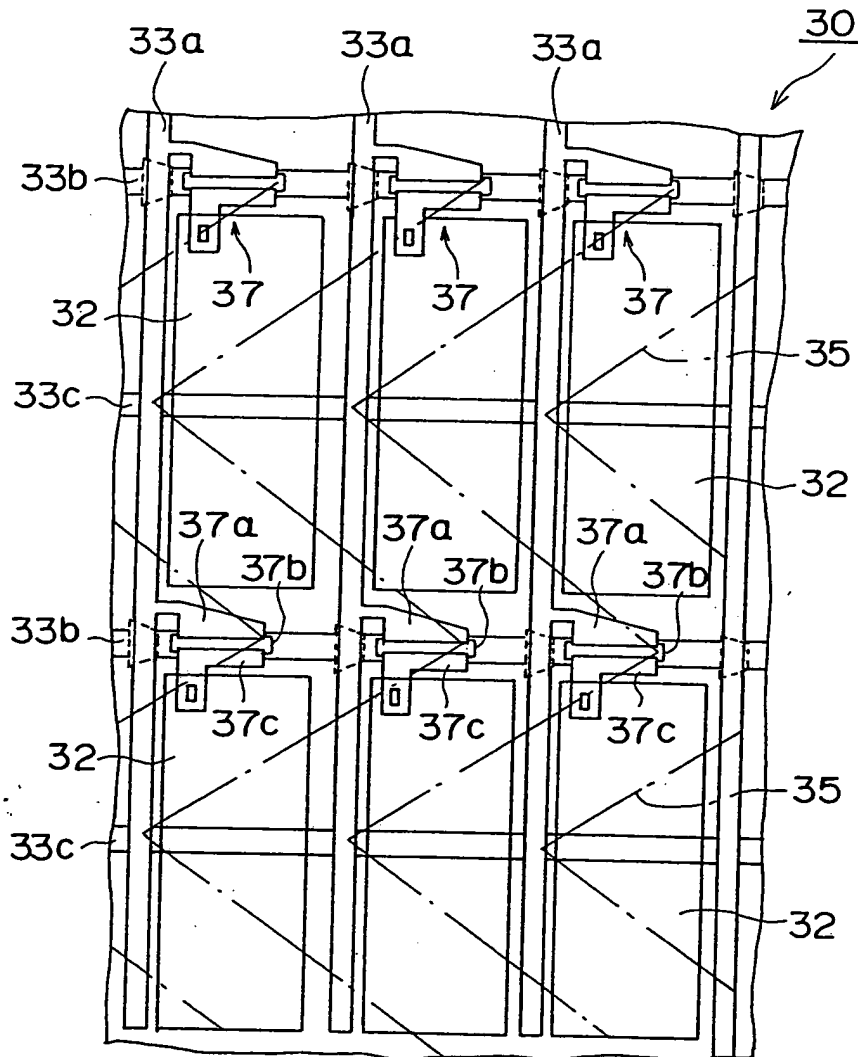


FIG. 5

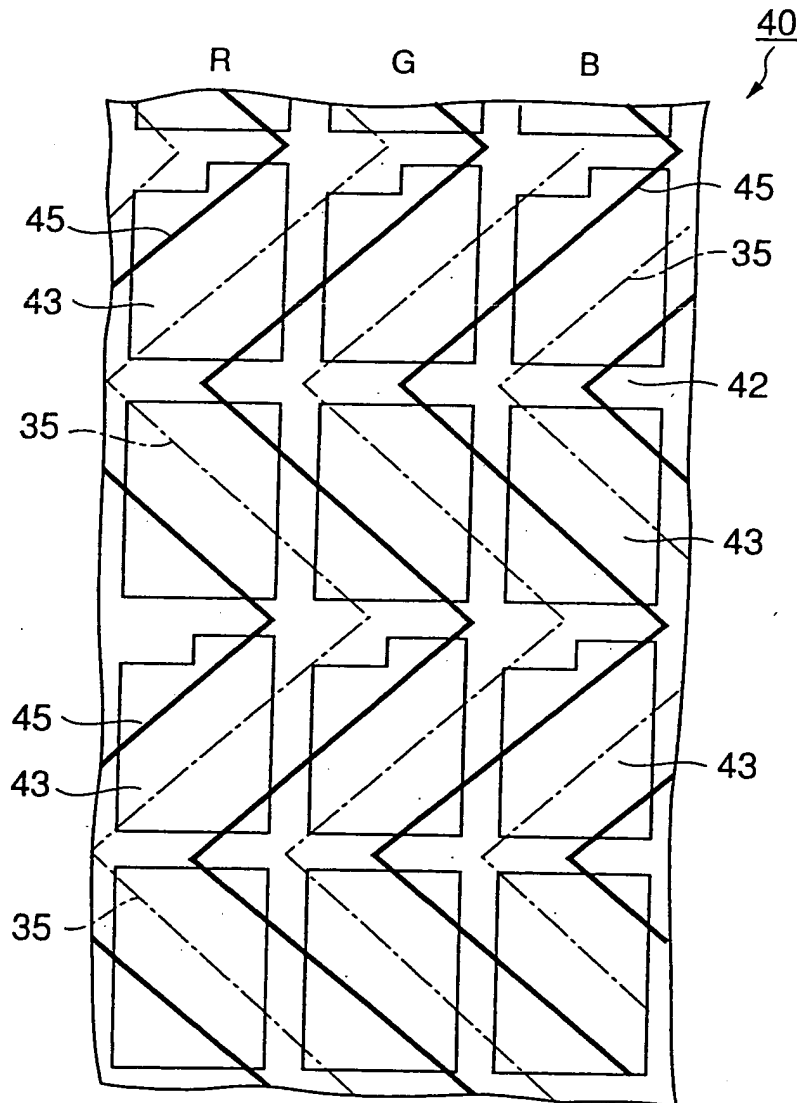


FIG. 6A

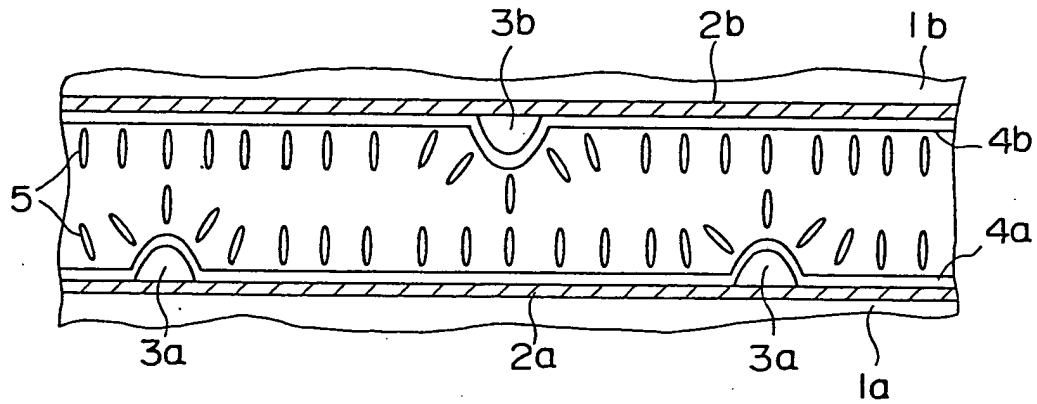


FIG. 6B

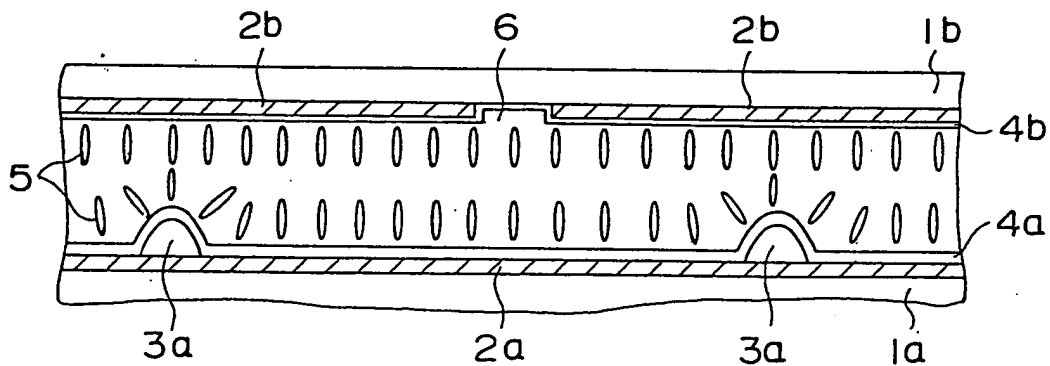


FIG. 7

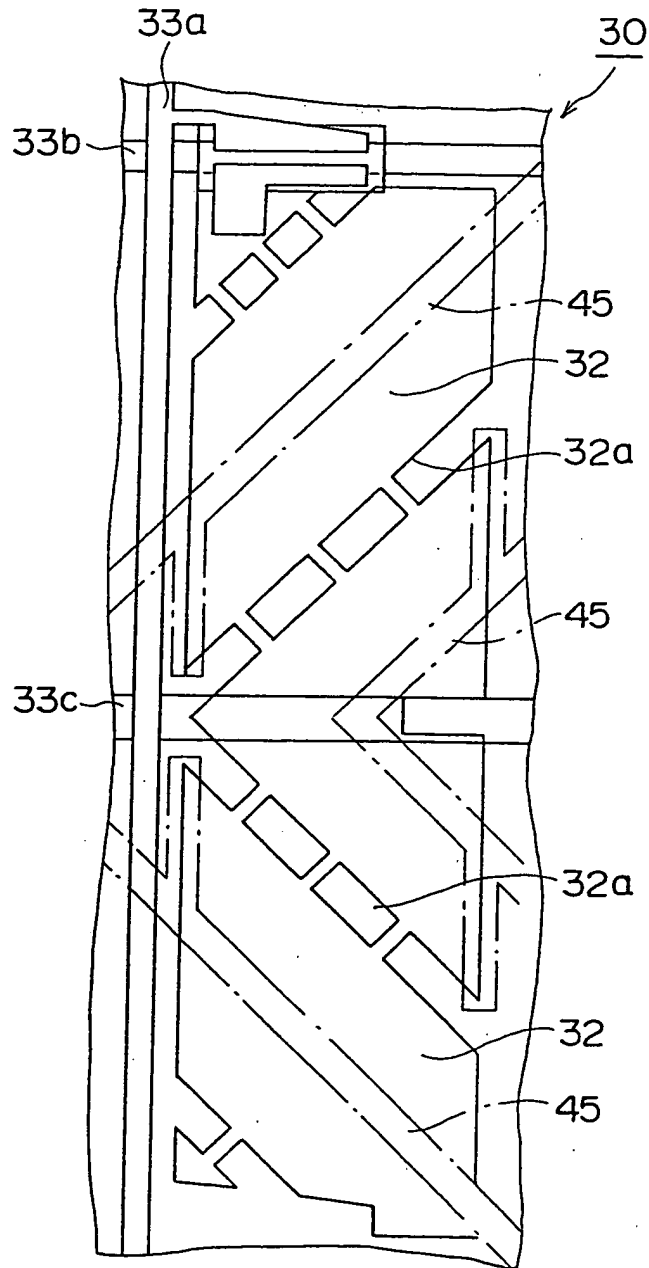


FIG. 8

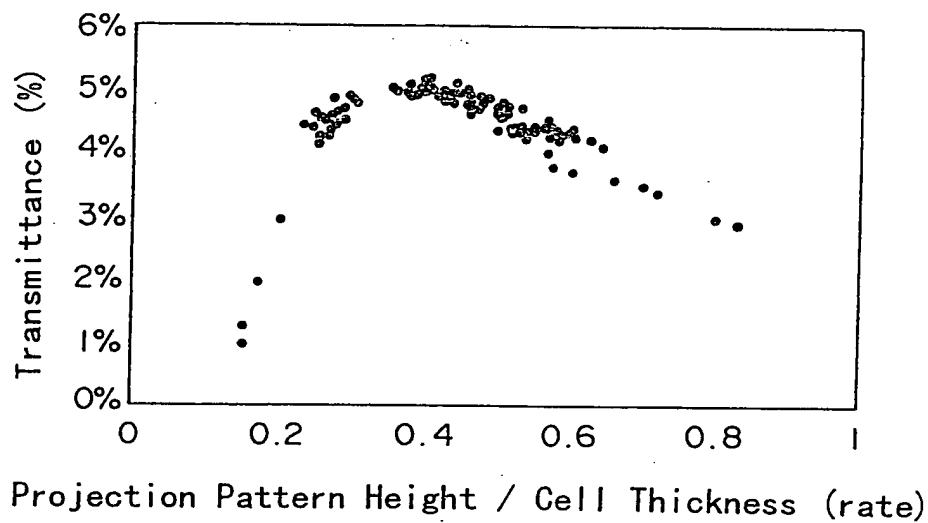


FIG. 9

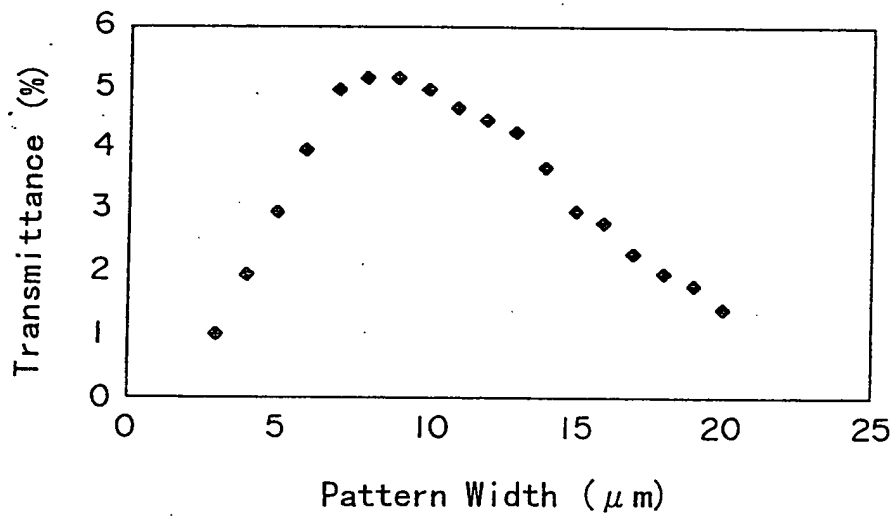




FIG. 10

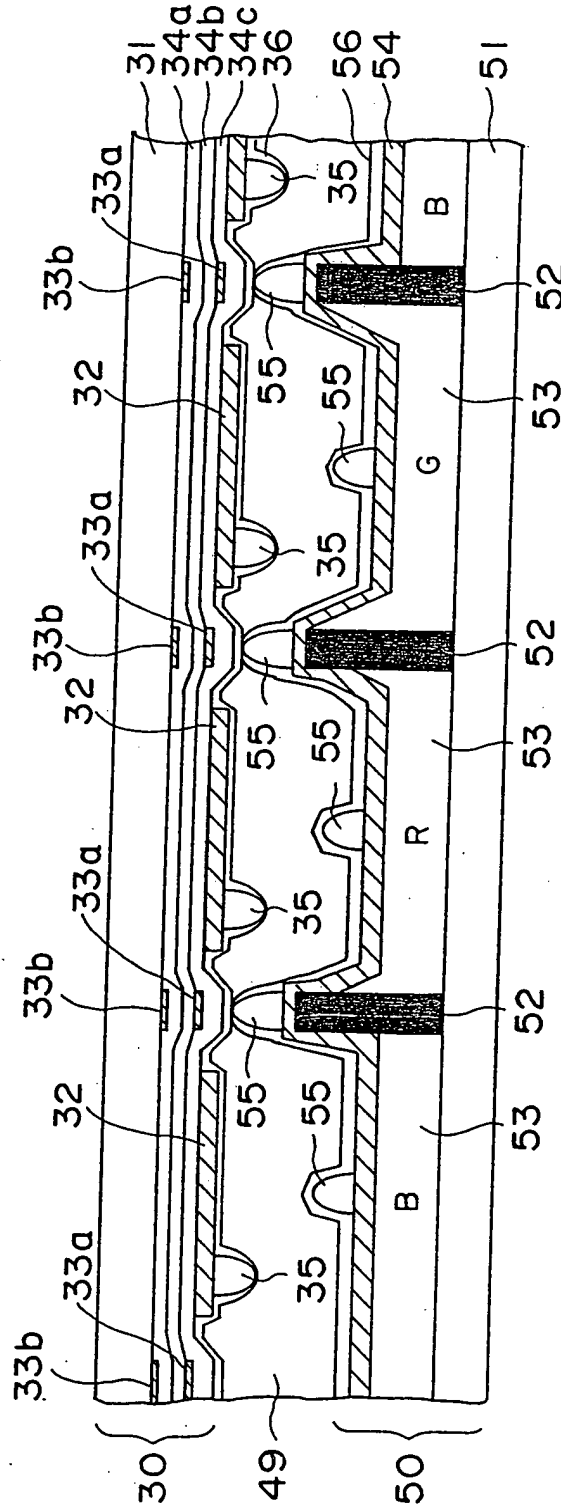


FIG. 11

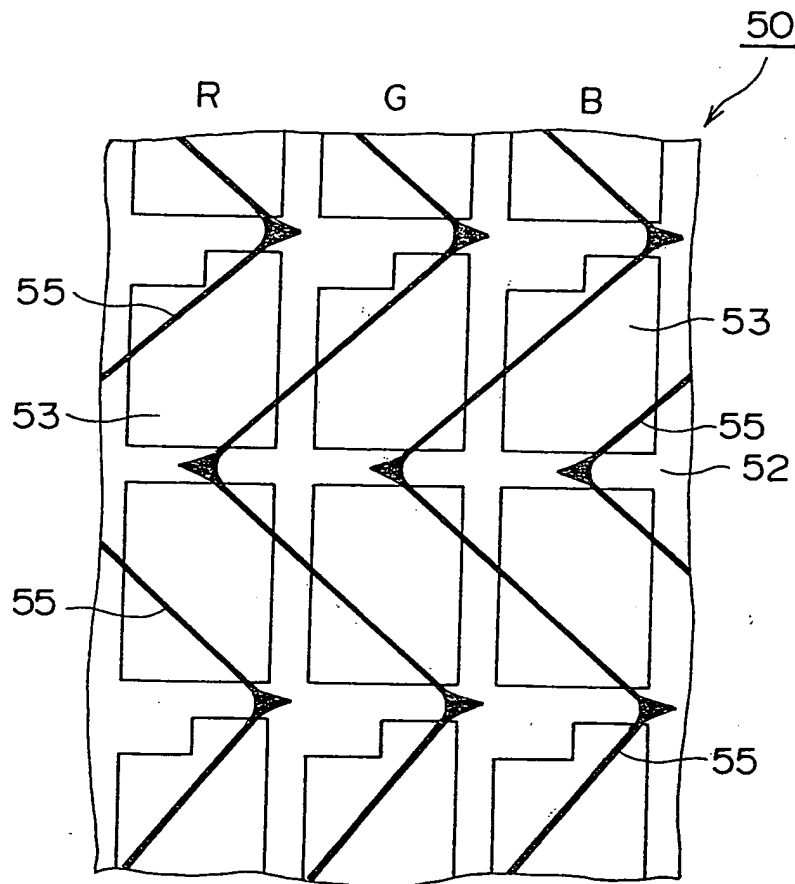


FIG. 12

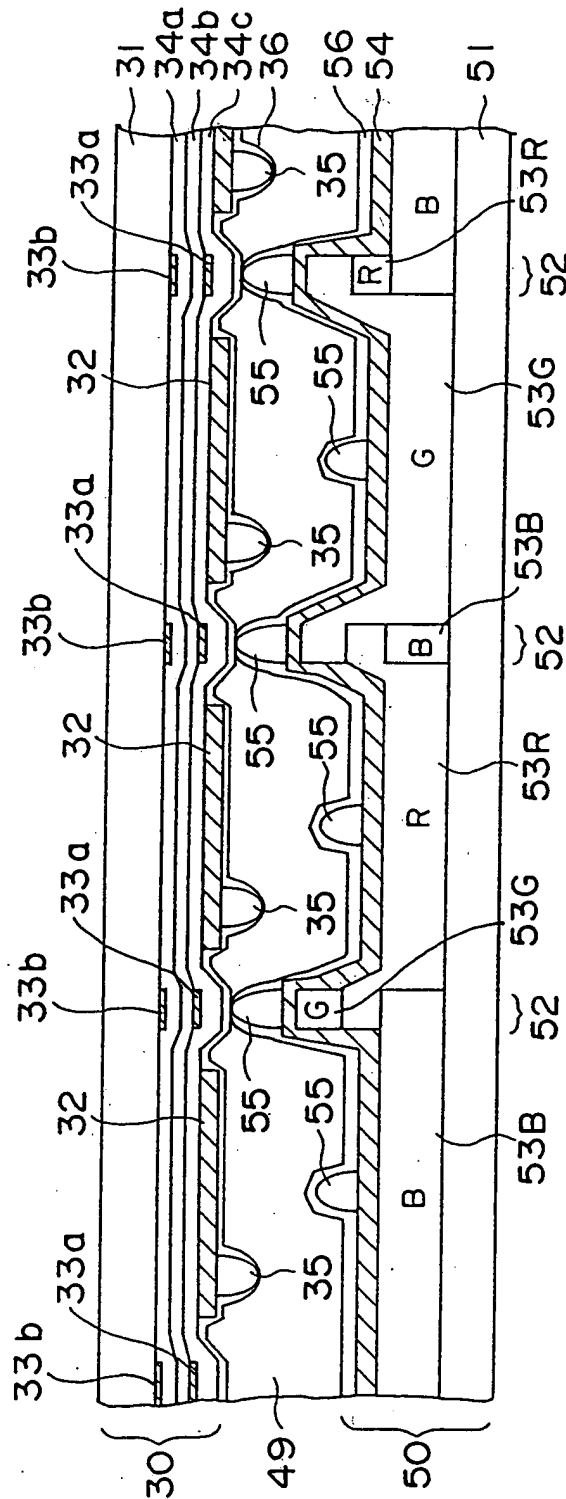


FIG. 13

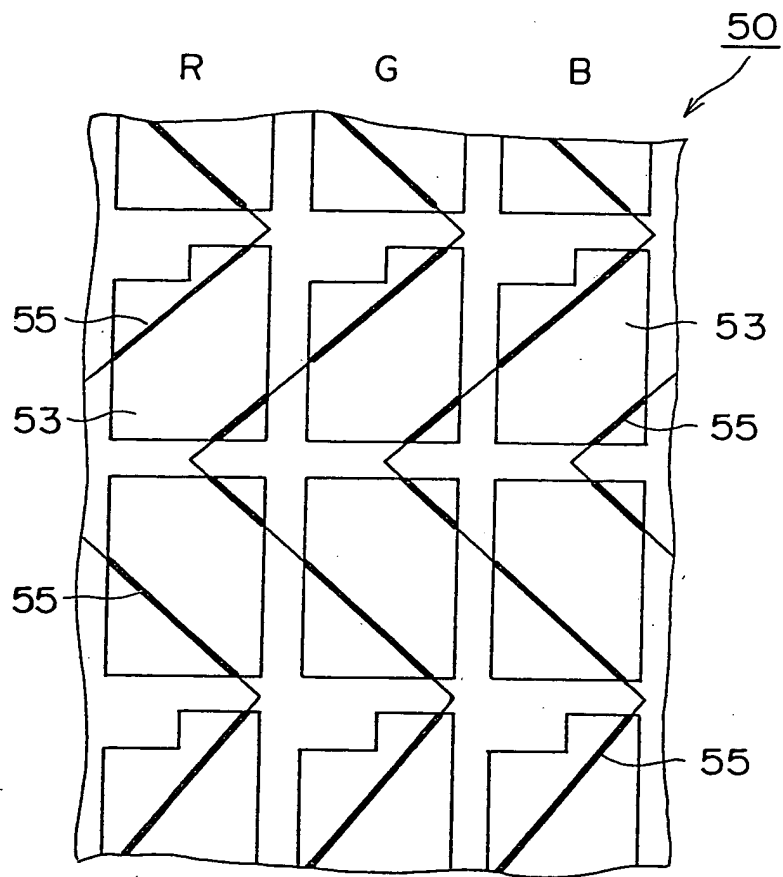


FIG. 14

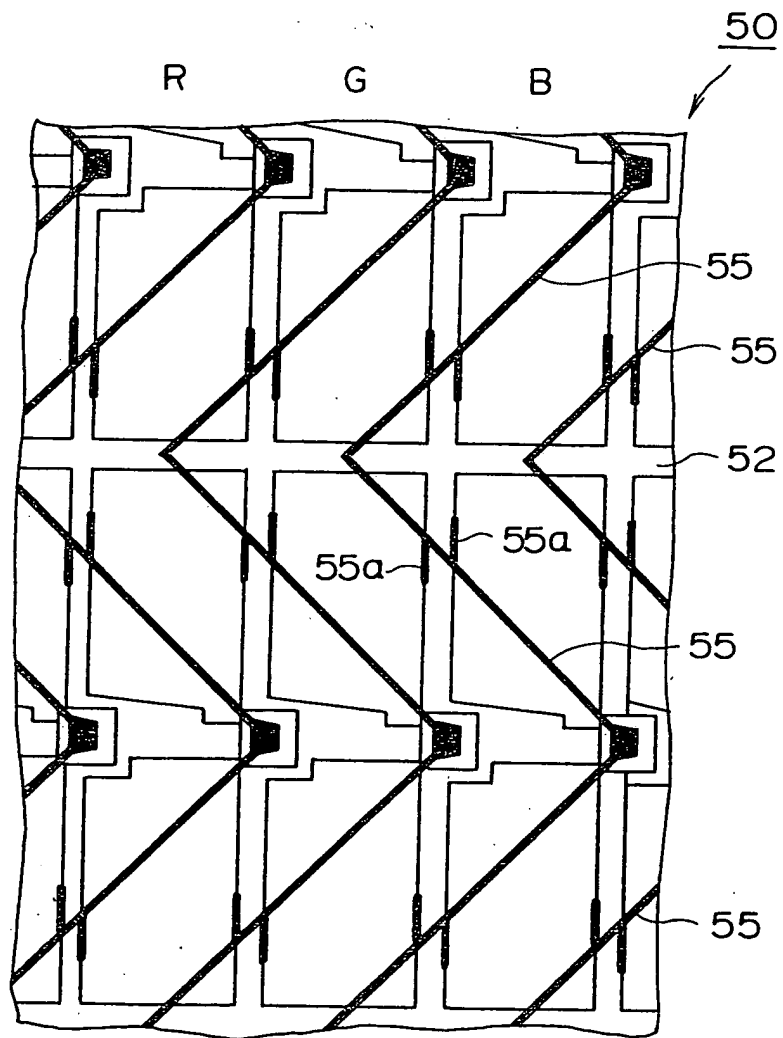


FIG. 15A

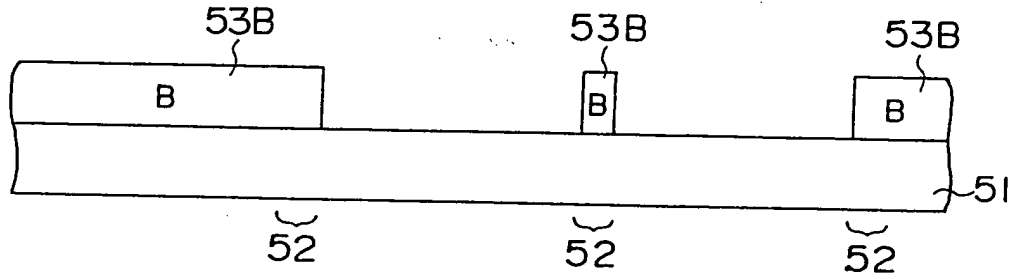


FIG. 15B

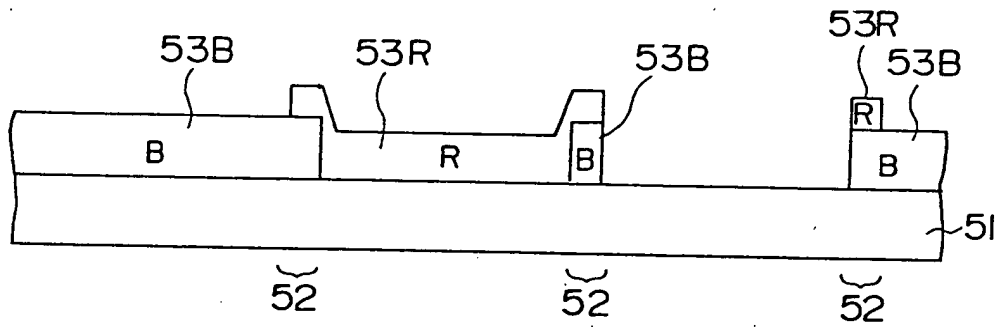


FIG. 15C

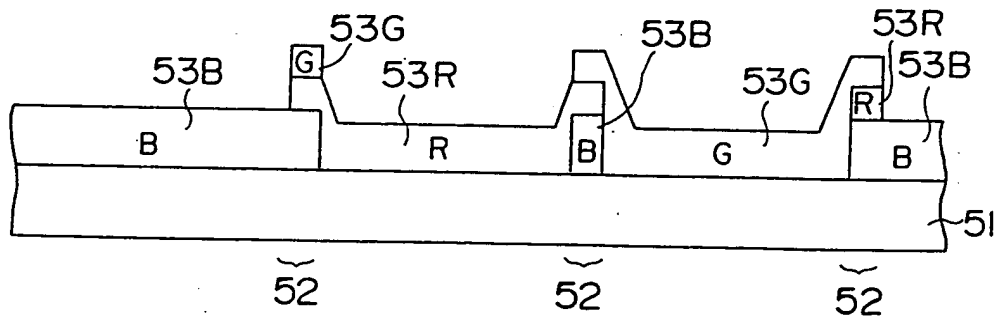


FIG. 15D

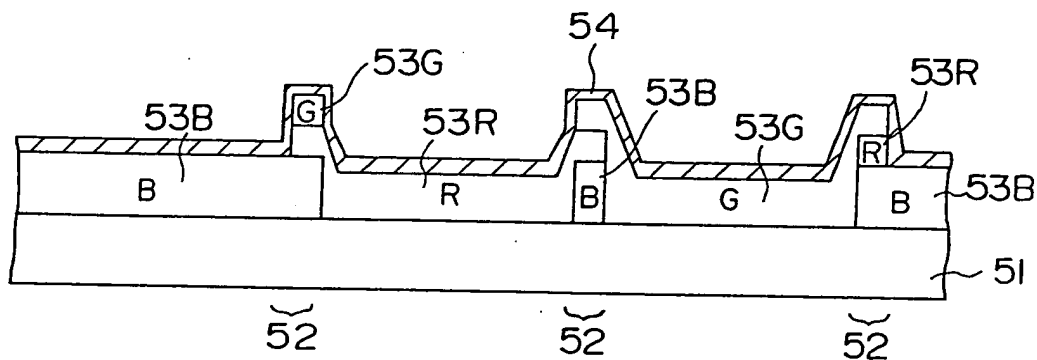


FIG. 15E

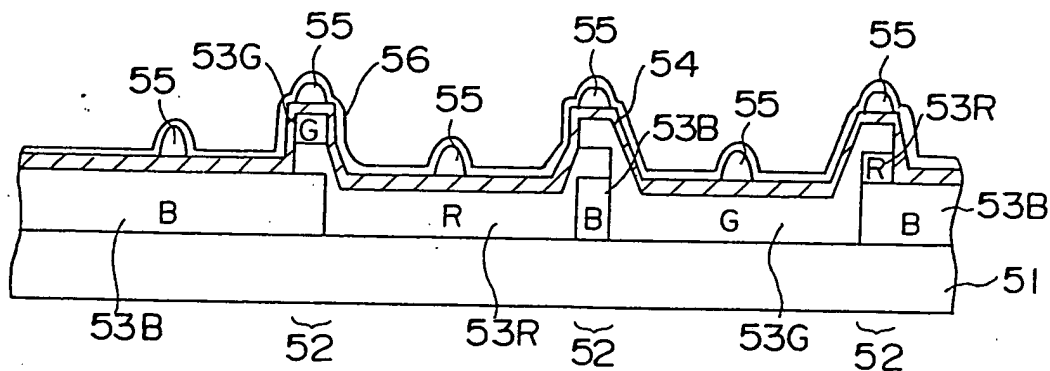


FIG. 16

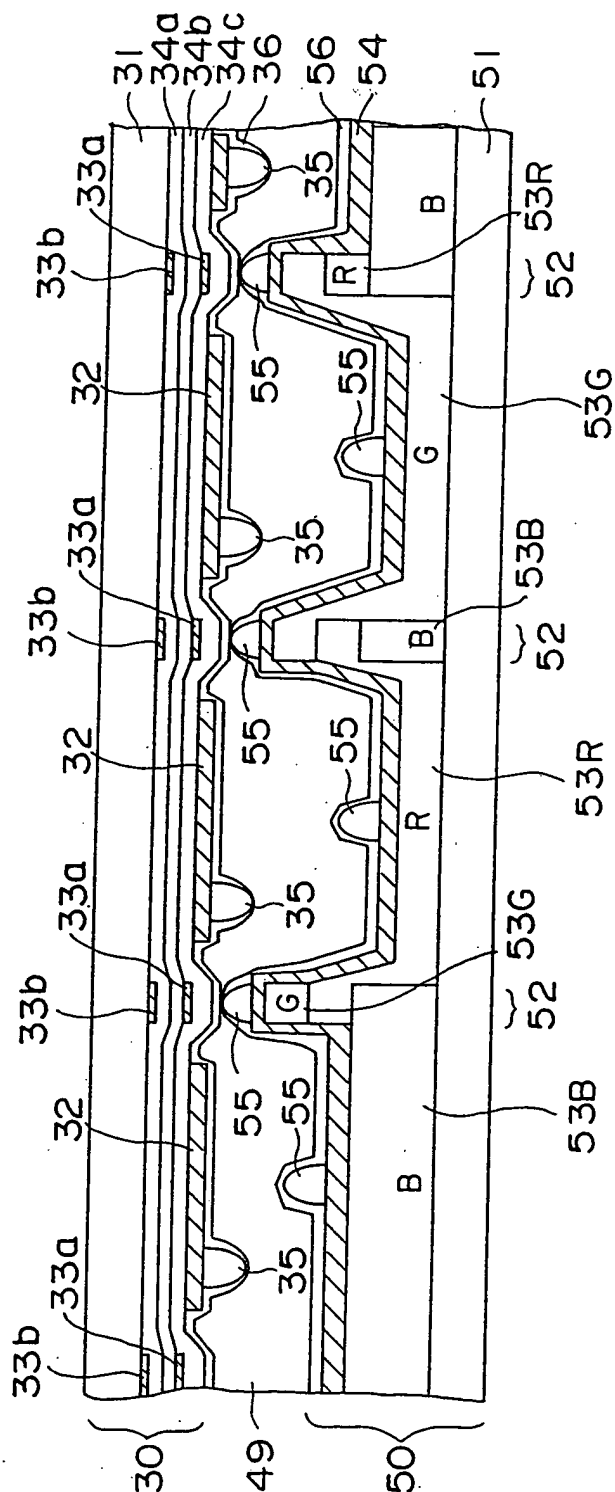




FIG. 17

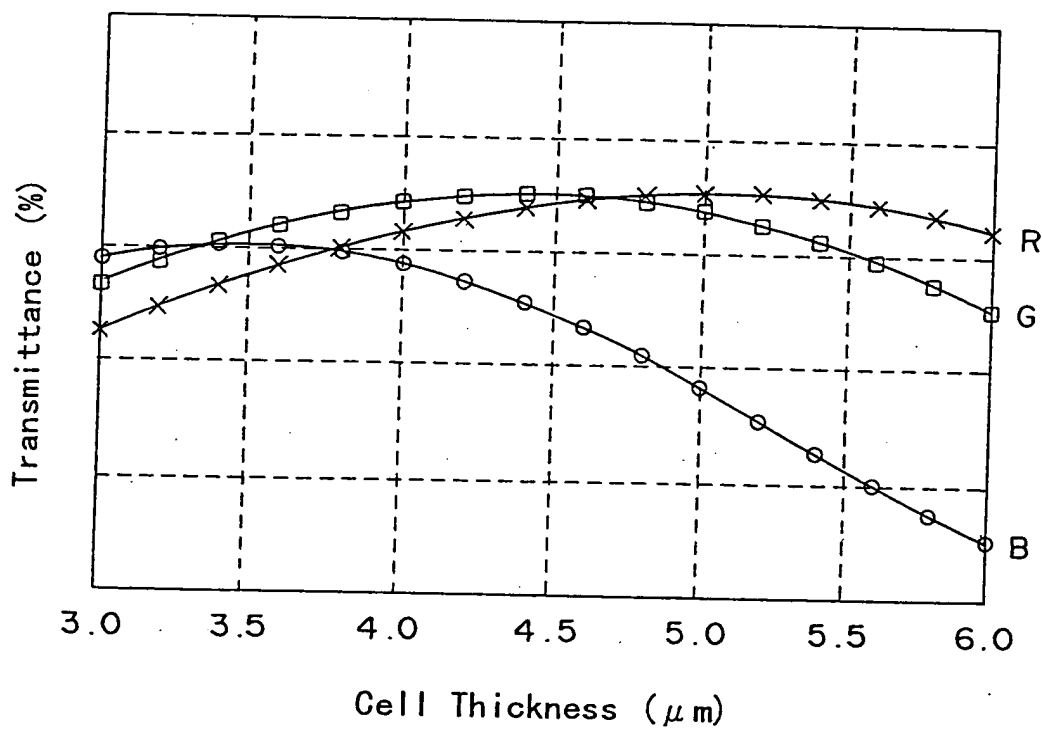


FIG. 18

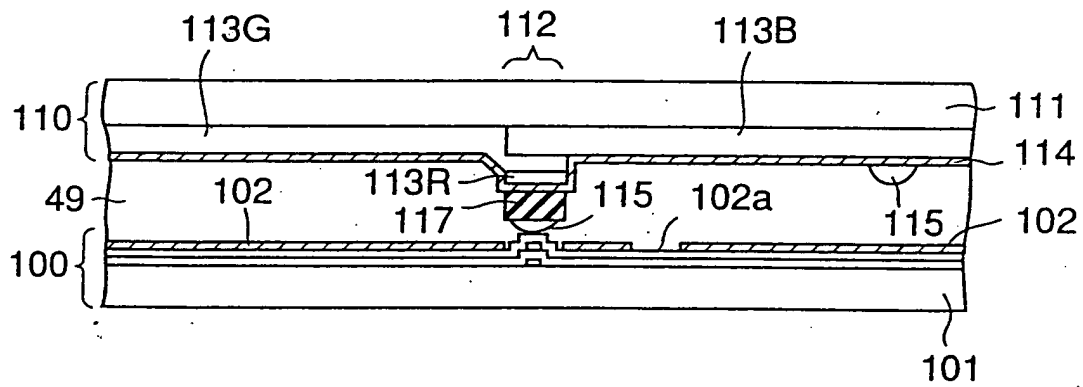


FIG. 19

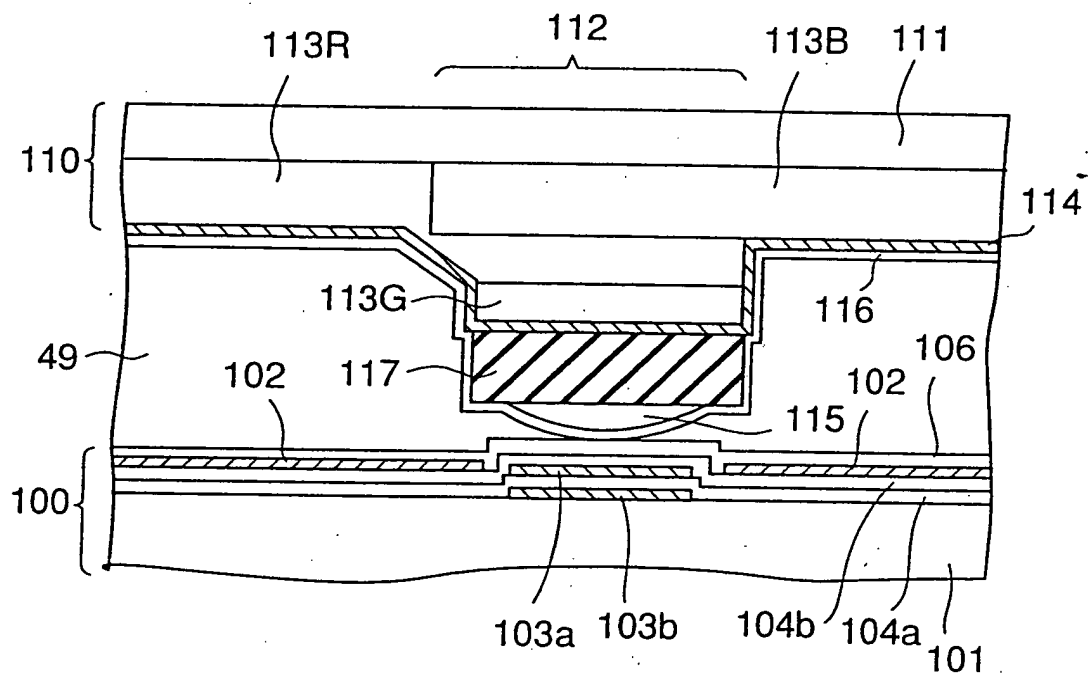


FIG. 20

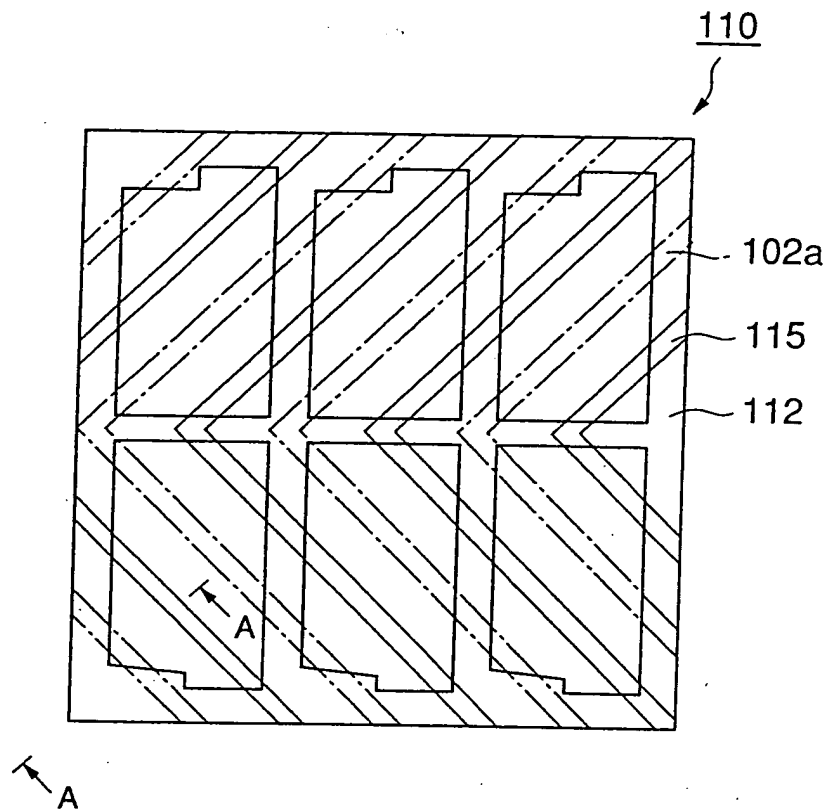


FIG. 21

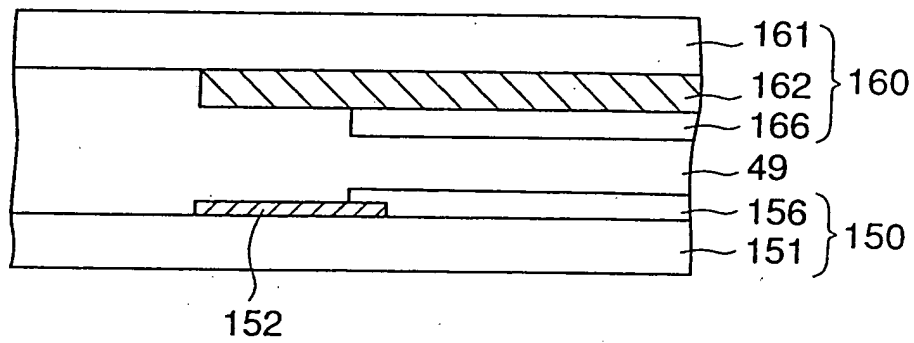


FIG. 22A

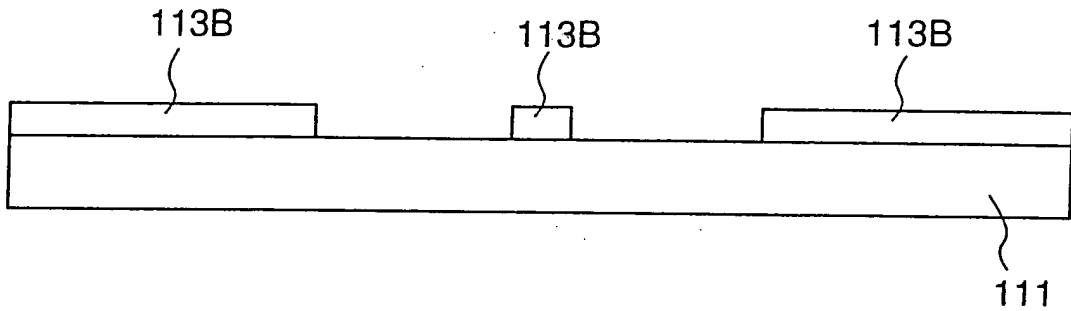


FIG. 22B

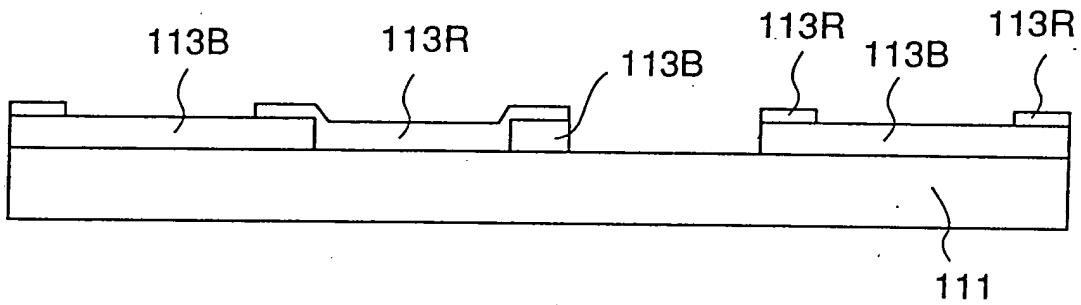


FIG. 22C

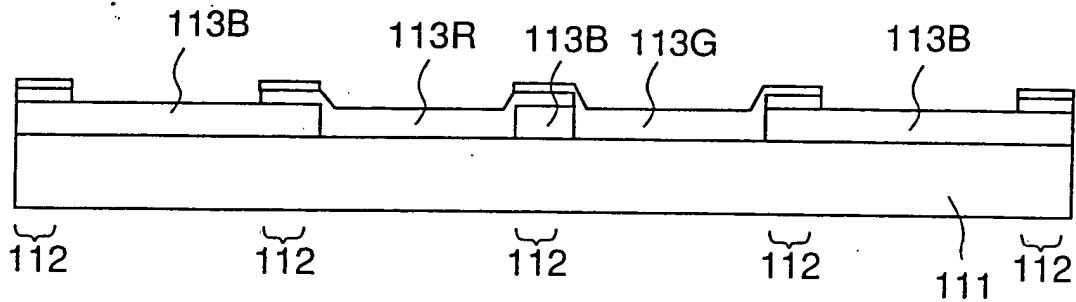


FIG. 22D

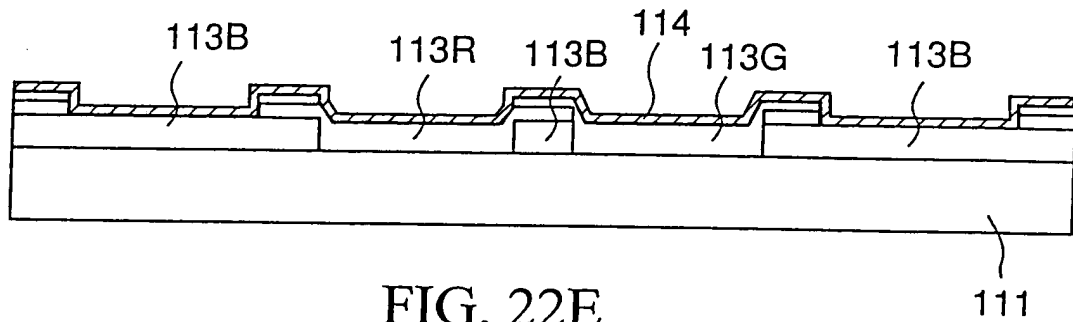


FIG. 22E

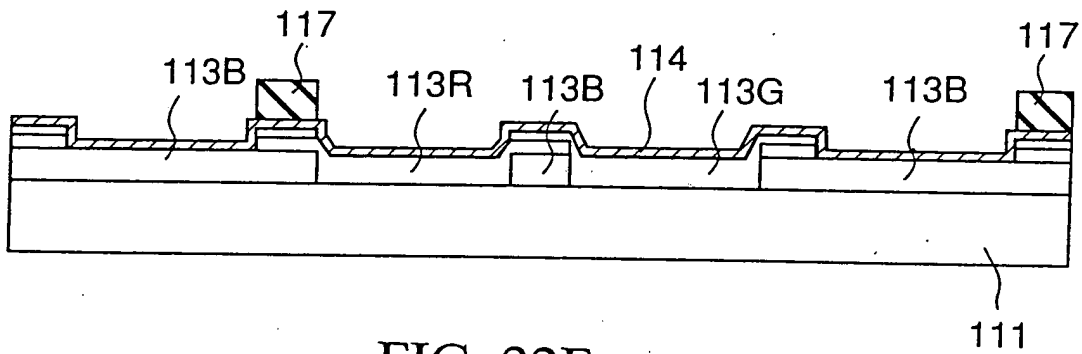


FIG. 22F

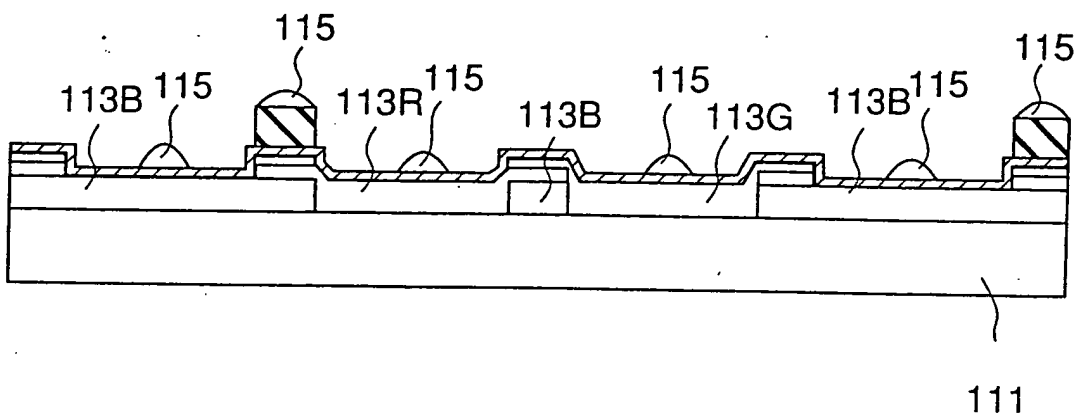


FIG. 23

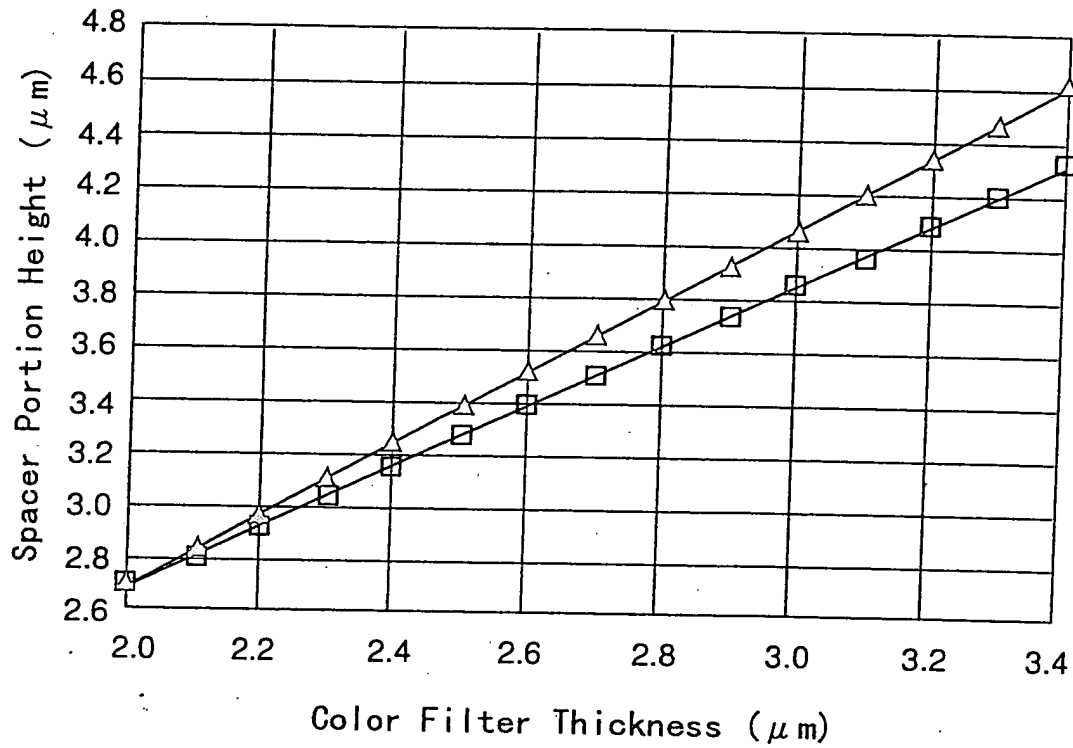




FIG. 24

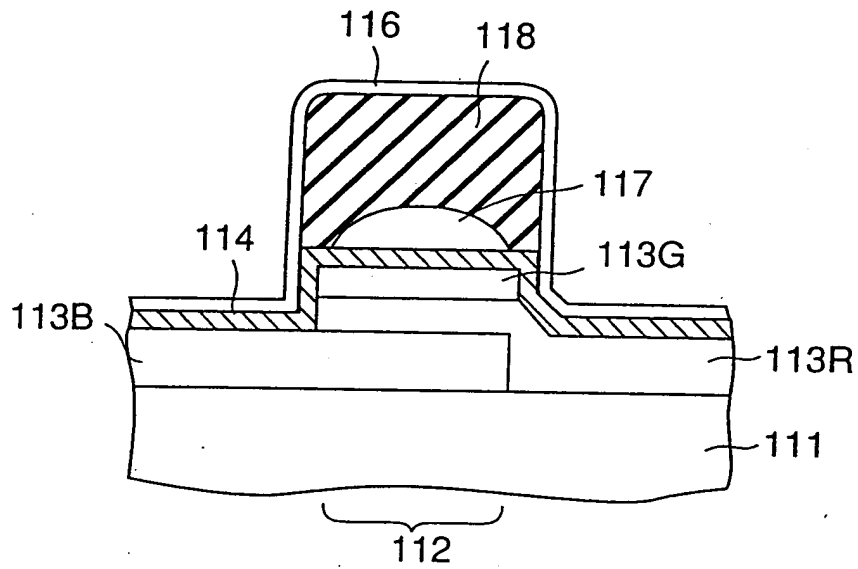


FIG. 25

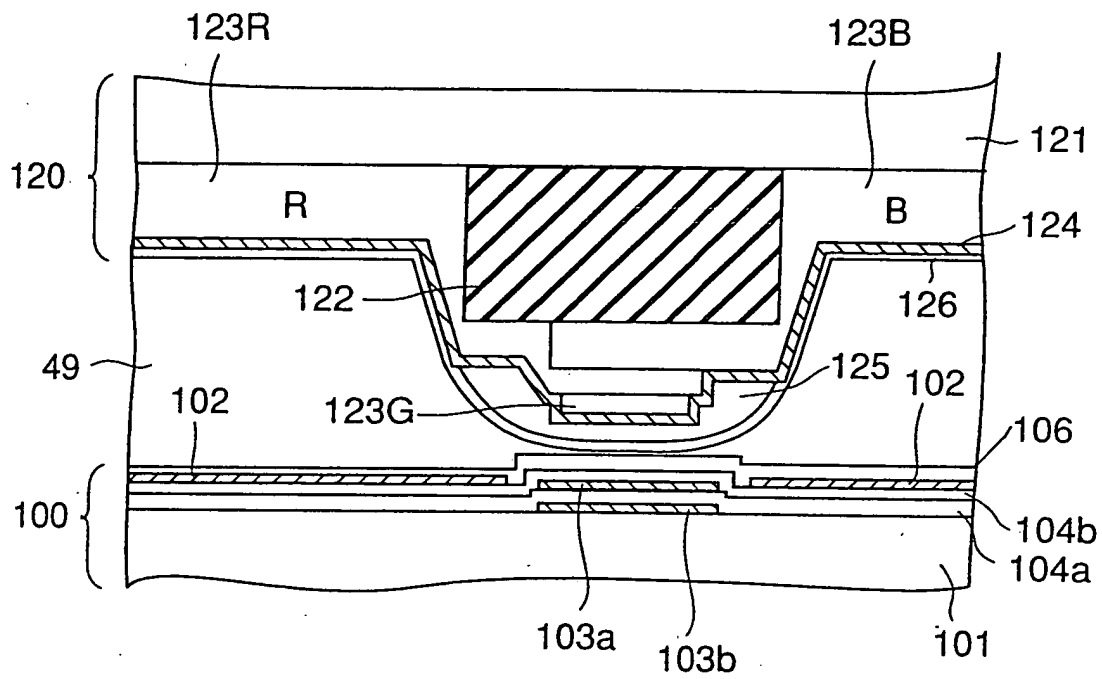


FIG. 26

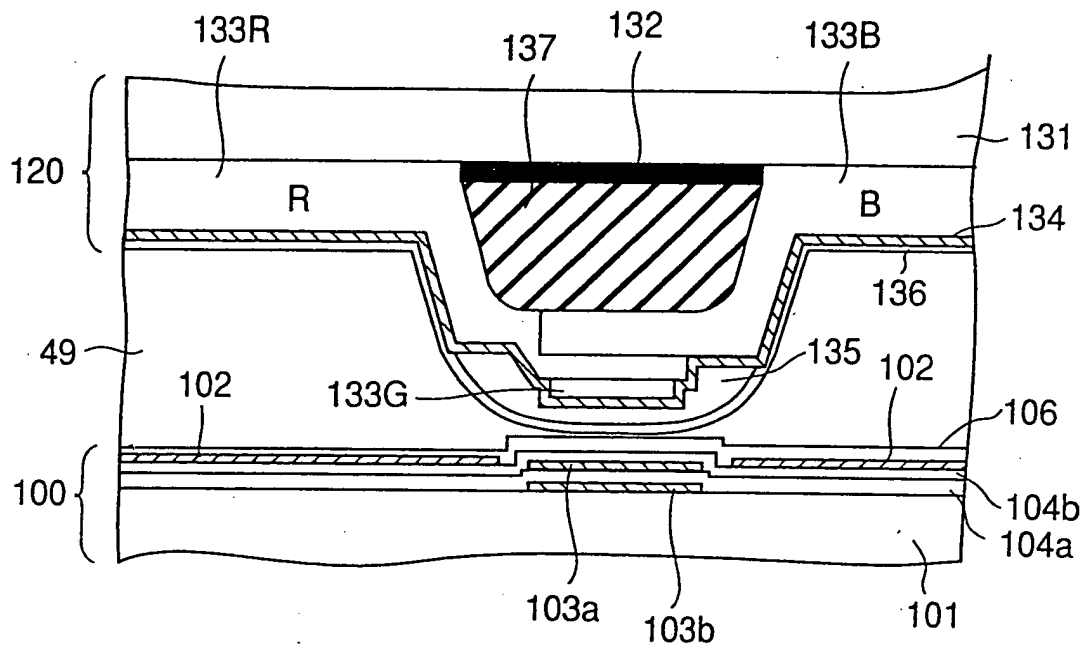


FIG. 27A

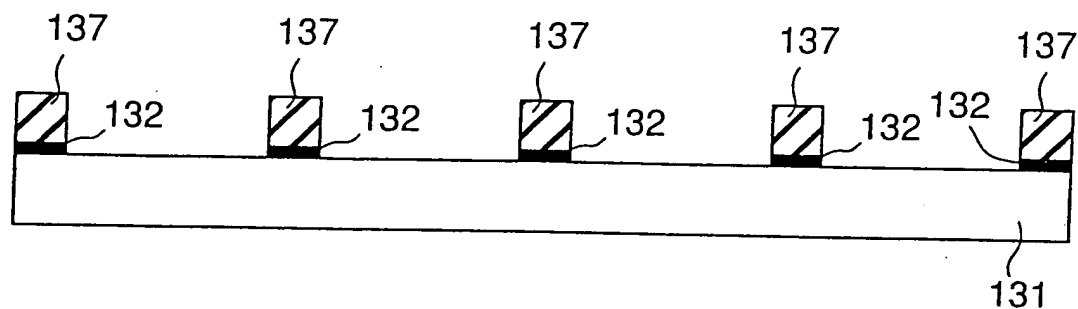


FIG. 27B

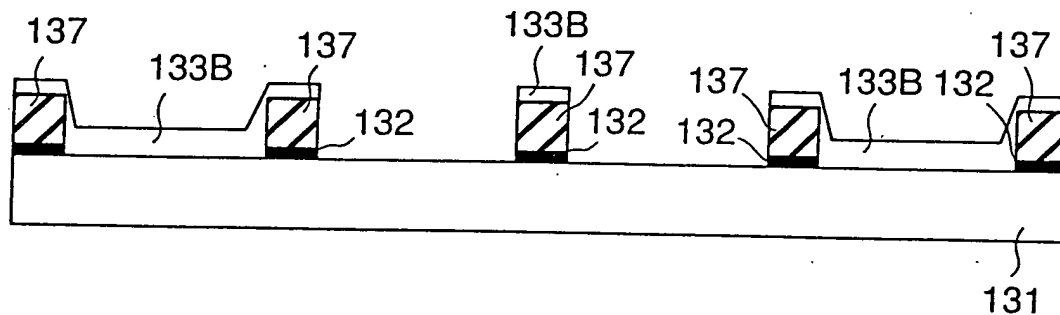


FIG. 27C

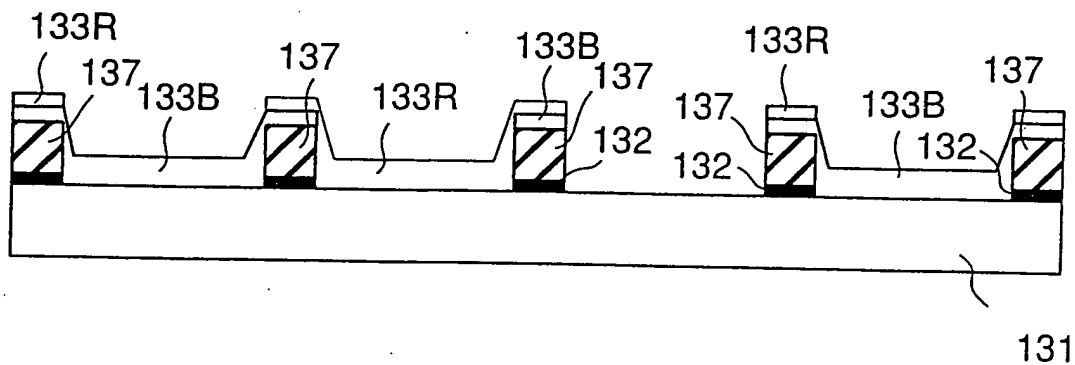


FIG. 27D

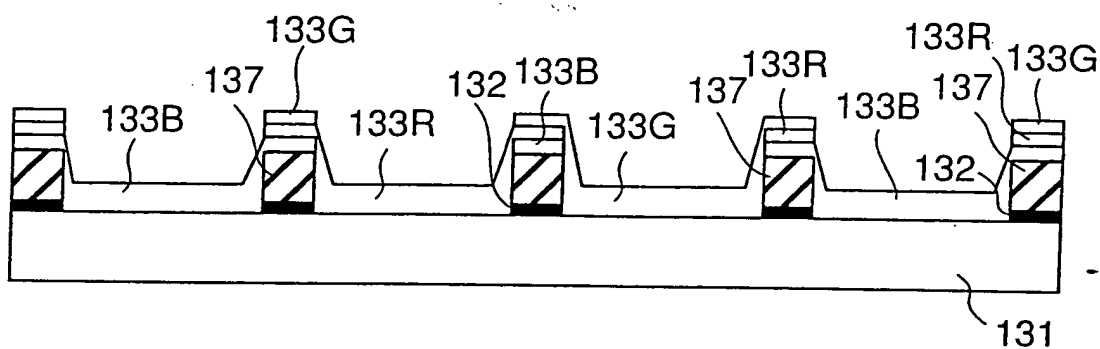


FIG. 27E

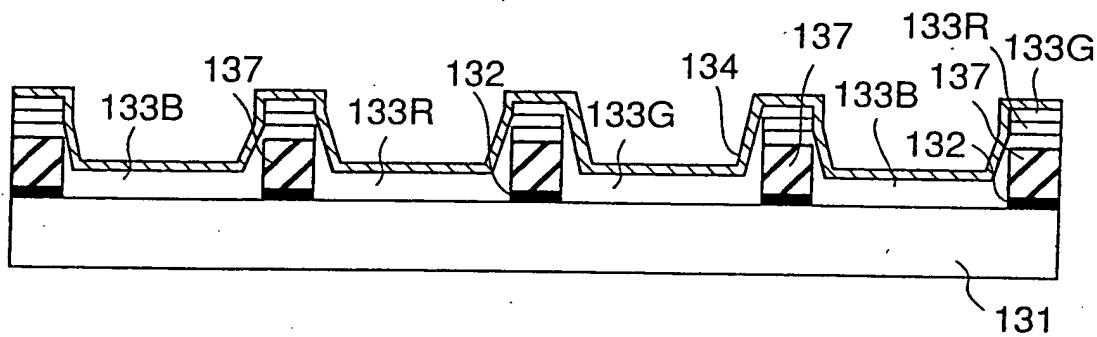


FIG. 27F

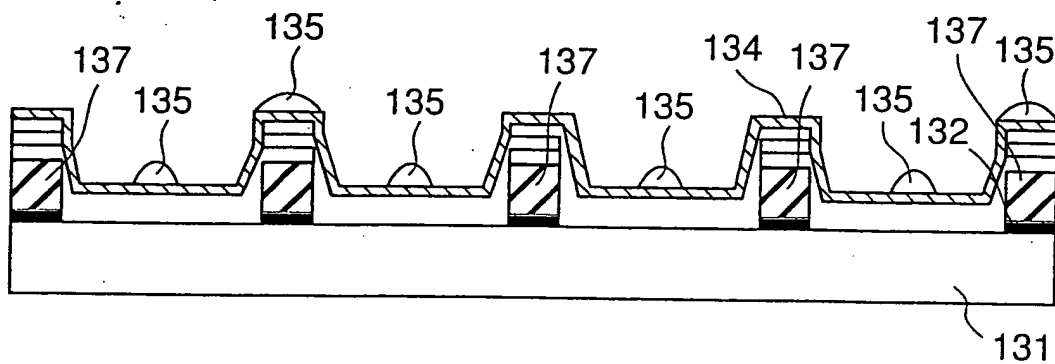
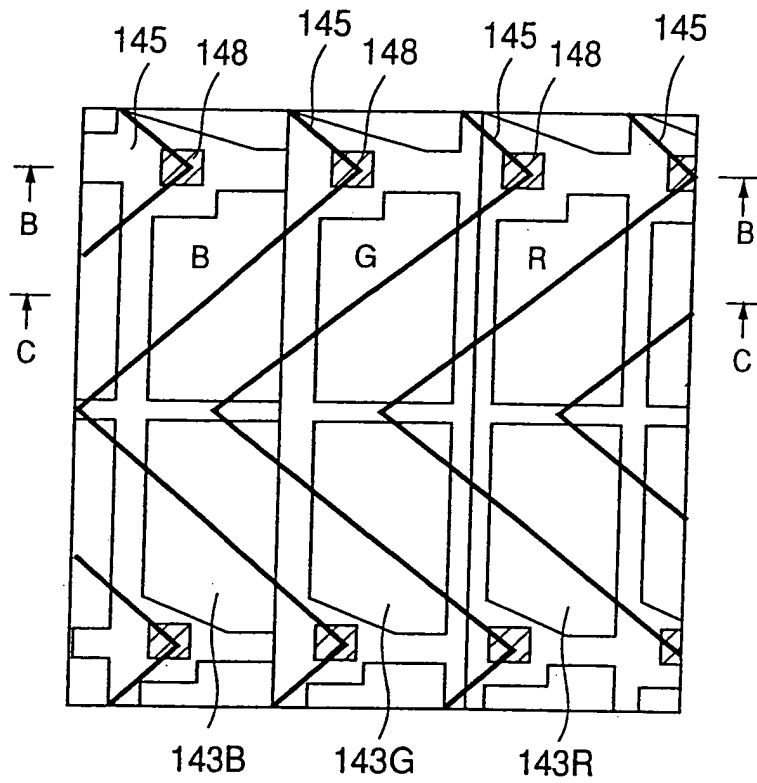


FIG. 28



This cross-sectional view shows a multi-layered substrate. The top layer (100) contains a patterned layer (101) with openings (103a, 103b) and a protective layer (104a, 104b). Below this is a middle layer (49) with a patterned layer (106) and a protective layer (145). The bottom layer (140) consists of a substrate (143R, 143G, 143B) and a protective layer (148). The patterned layer (106) is formed on the substrate (143R, 143G, 143B) and is covered by the protective layer (145). The openings (103a, 103b) in the top layer (100) are aligned with the patterned layer (106) in the middle layer (49).

FIG. 30A

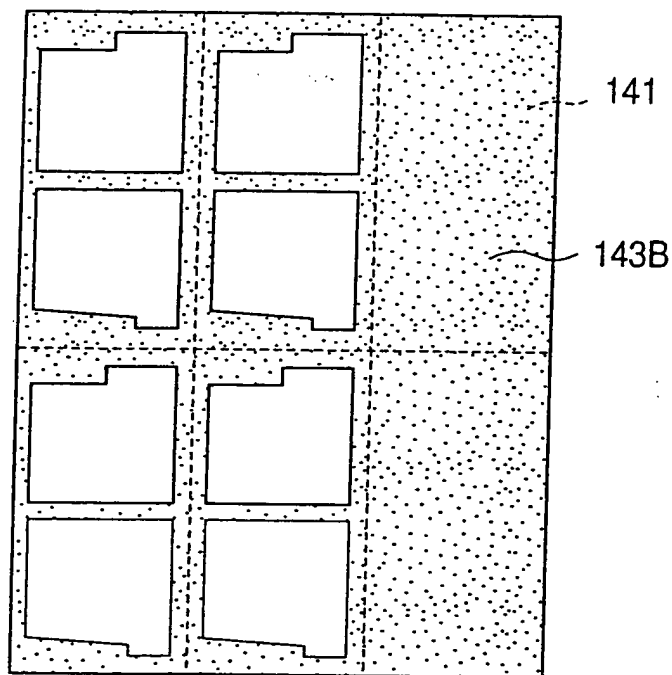


FIG. 30B

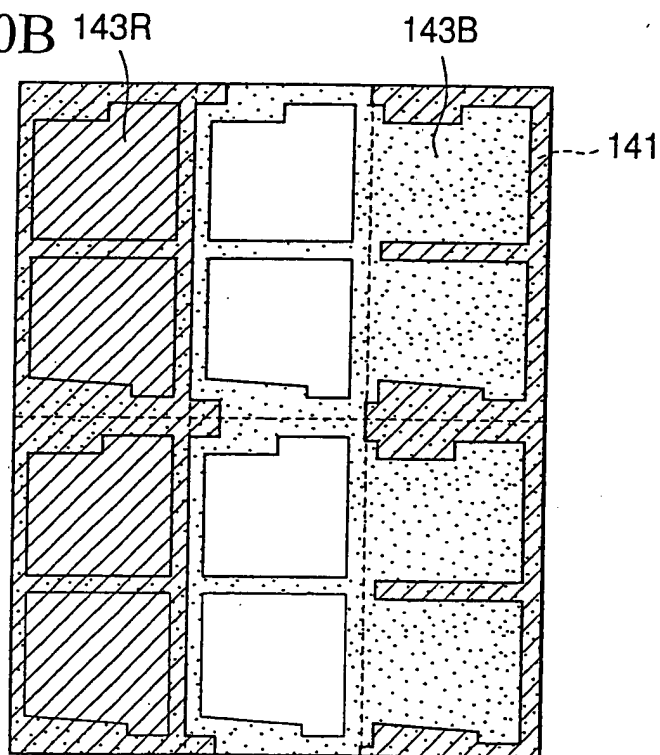




FIG. 30C

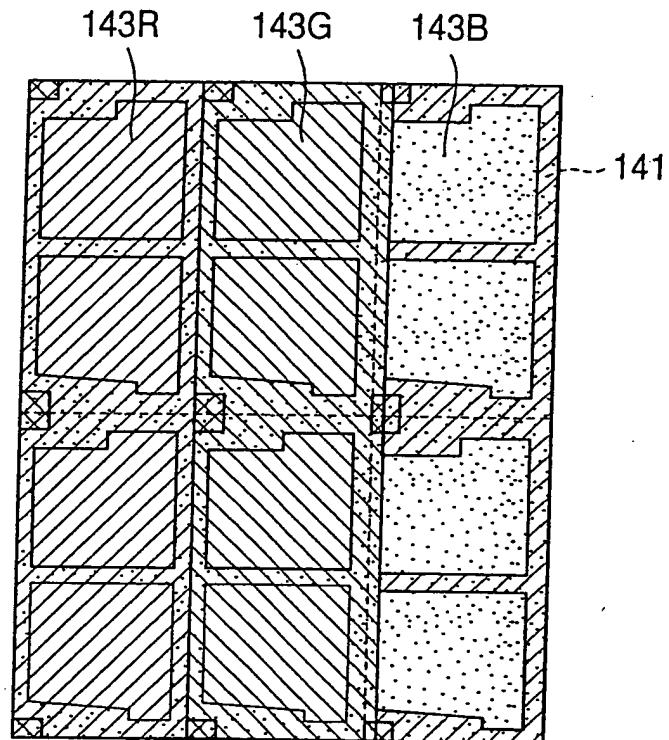


FIG. 31A

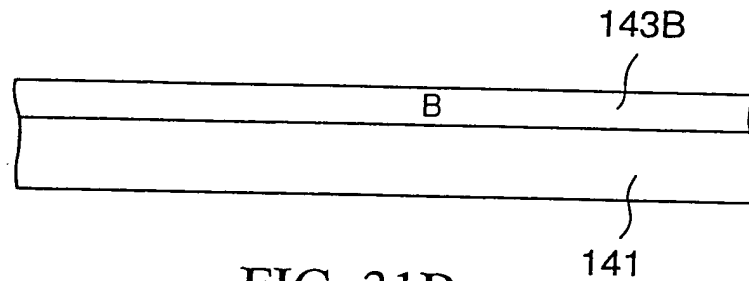


FIG. 31B

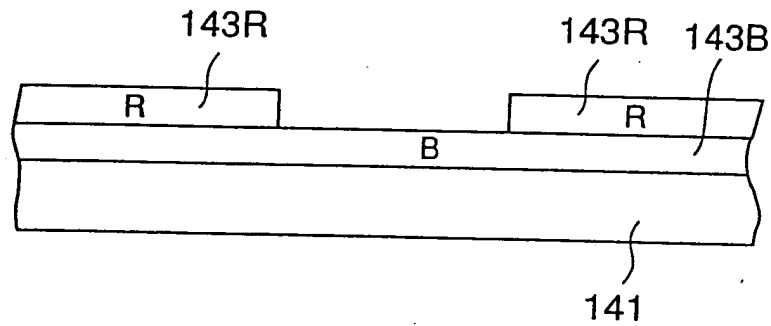


FIG. 31C

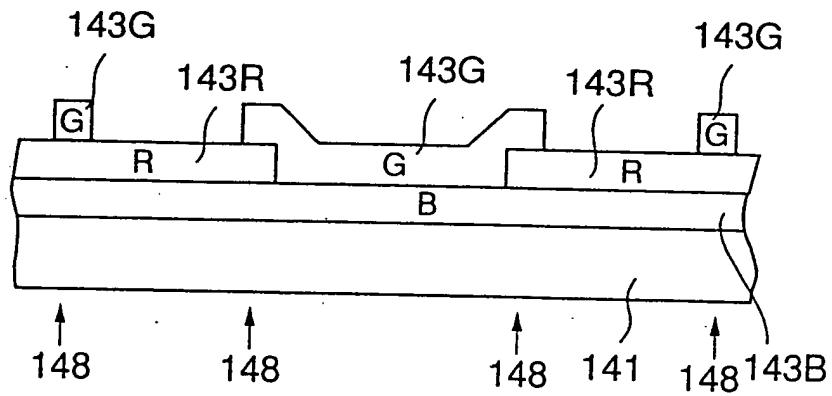
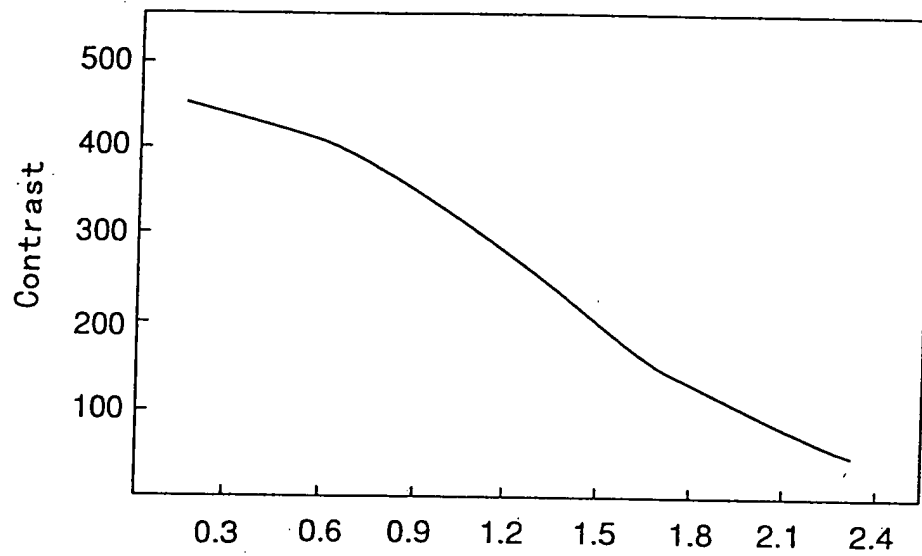


FIG. 32



Pixel Region and Level Difference of the Black Matrix

FIG. 33

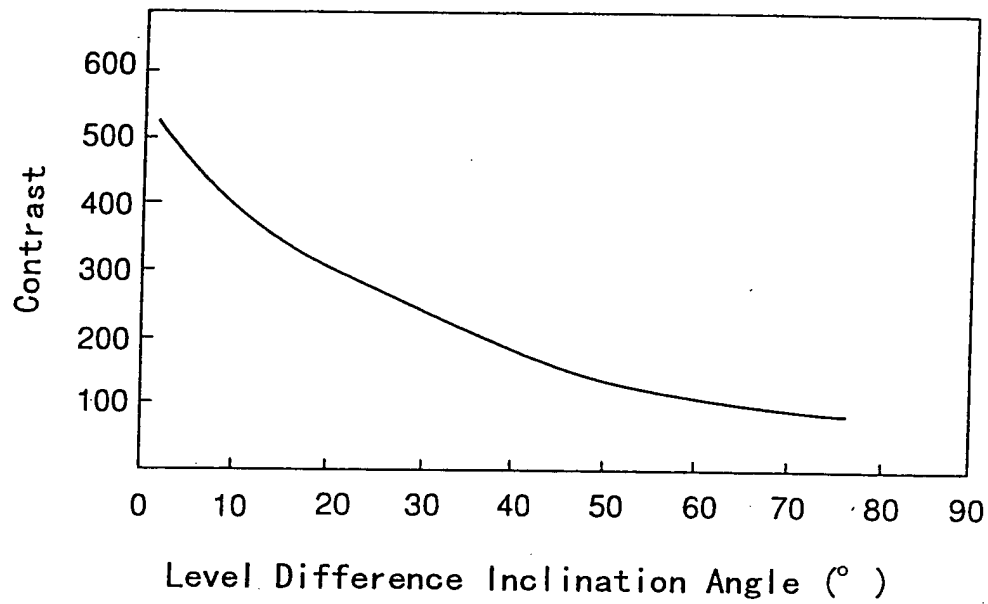


FIG. 34

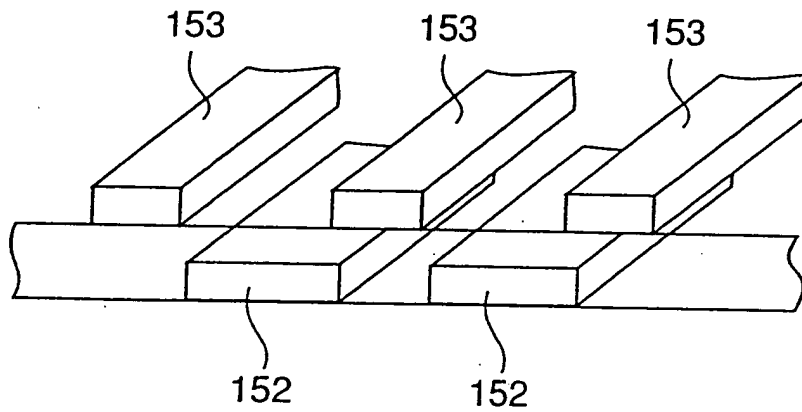


FIG. 35

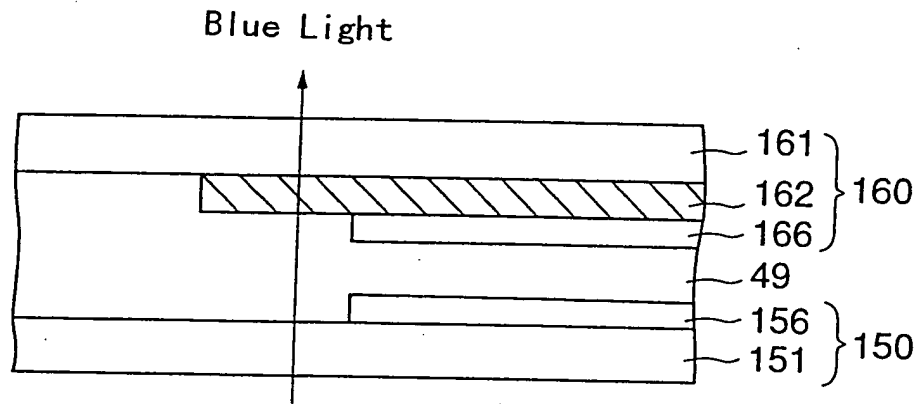


FIG. 36

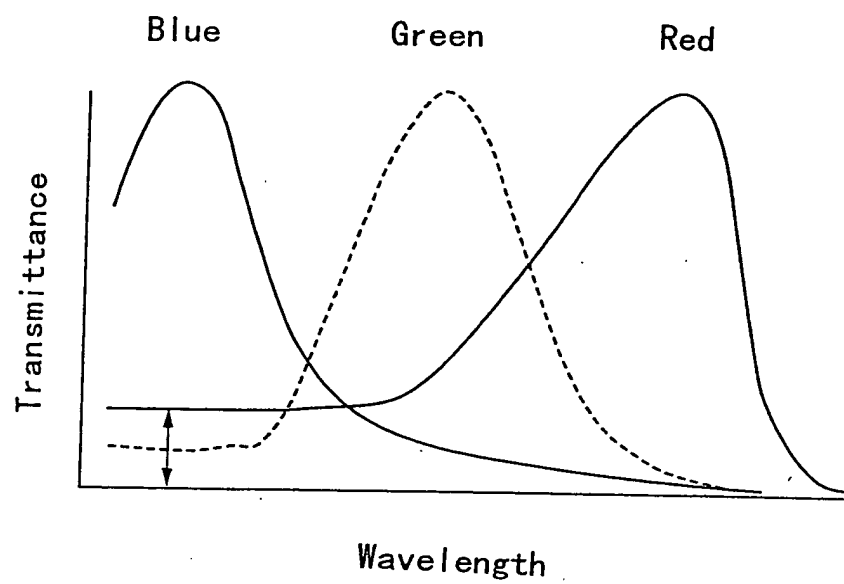


FIG. 37

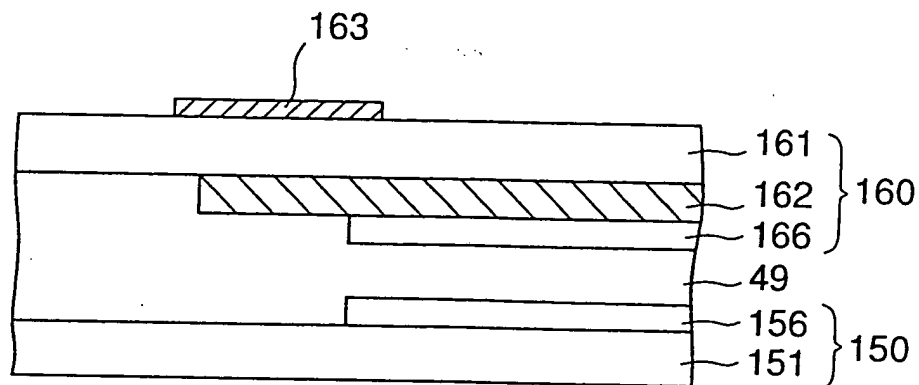


FIG. 38

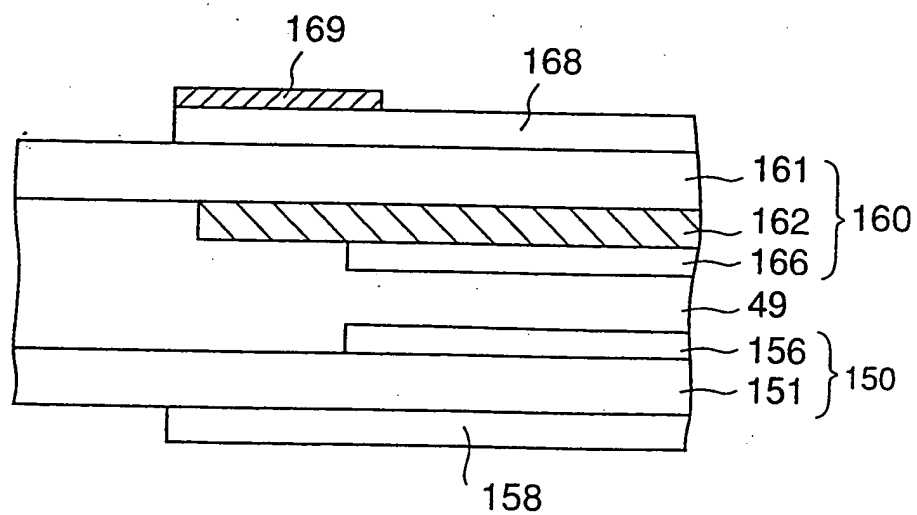




FIG. 39

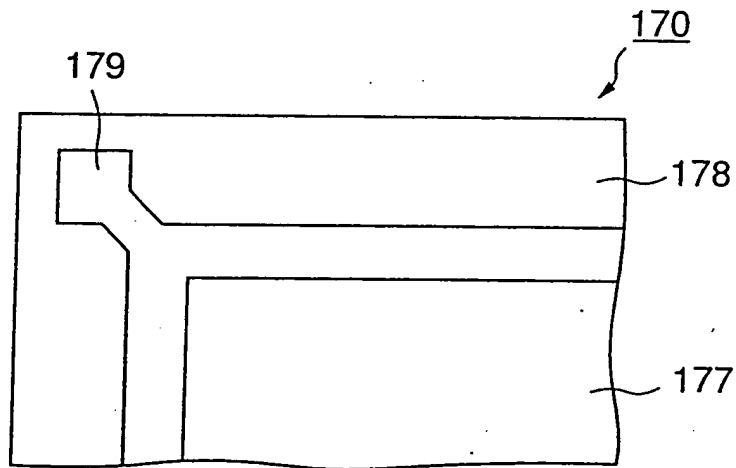


FIG. 40A

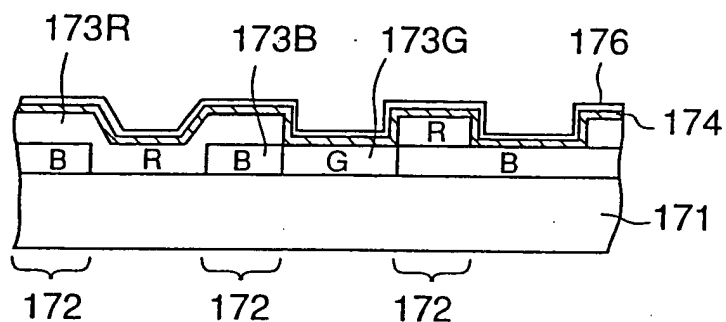


FIG. 40B

